

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7854 - L2 Version 2
Chandra X-Ray Center

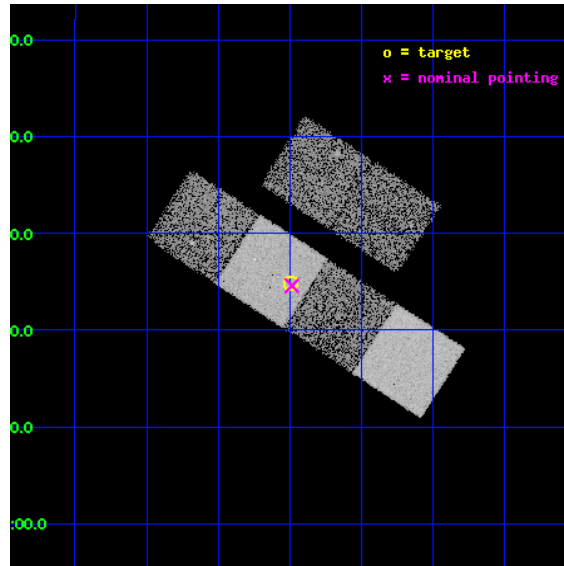
L2 Processing Date : Apr 29 2012

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1 Front

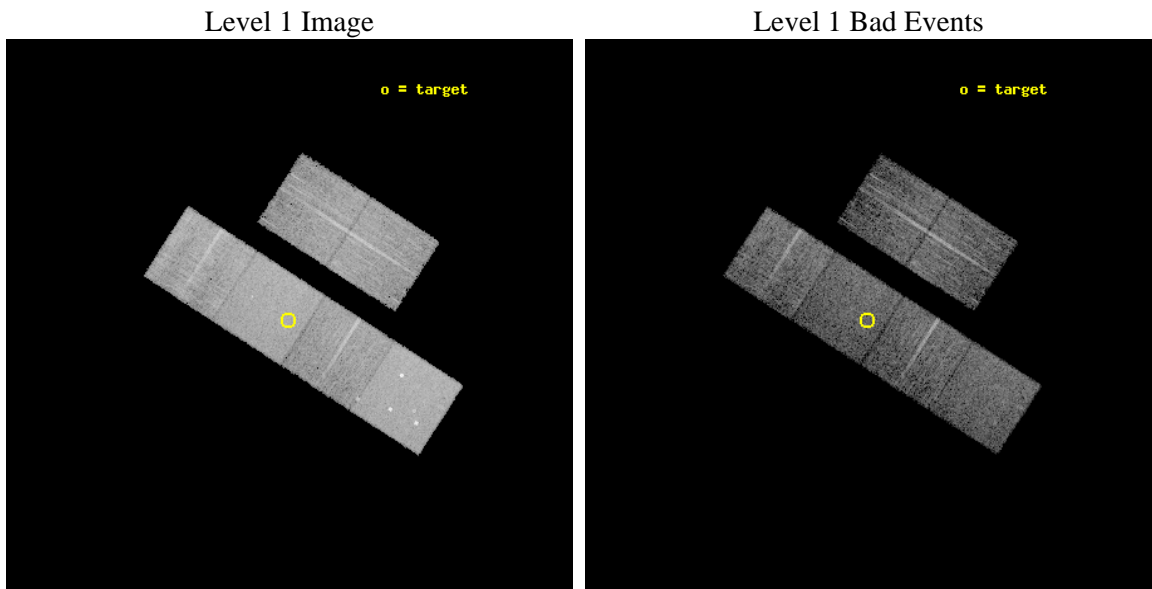
seq_num	701518	Sequence number
obs_id	7854	Observation id
title	Demographics of black holes in the local Universe.	Proposal title
observer	Prof. Smita Mathur	Principal investigator
object	NGC 7077	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	322.498333	Observer's specified target RA [deg]
dec_targ	2.414167	Observer's specified target Dec [deg]
ra_nom	322.49630893014	Nominal RA [deg]
dec_nom	2.4097219656047	Nominal Dec [deg]
roll_nom	212.79840666304	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5145.5999808908	Sum of GTIs [s]
livetime	5080.4432956244	Livetime [s]
ontime2	5145.5999808908	Sum of GTIs [s]
ontime3	5145.5999808908	Sum of GTIs [s]
ontime5	5145.5999808908	Sum of GTIs [s]
ontime6	5145.5999808908	Sum of GTIs [s]
ontime7	5145.5999808908	Sum of GTIs [s]
ontime8	5145.5999808908	Sum of GTIs [s]
l2events	83433	Number of level 2 events



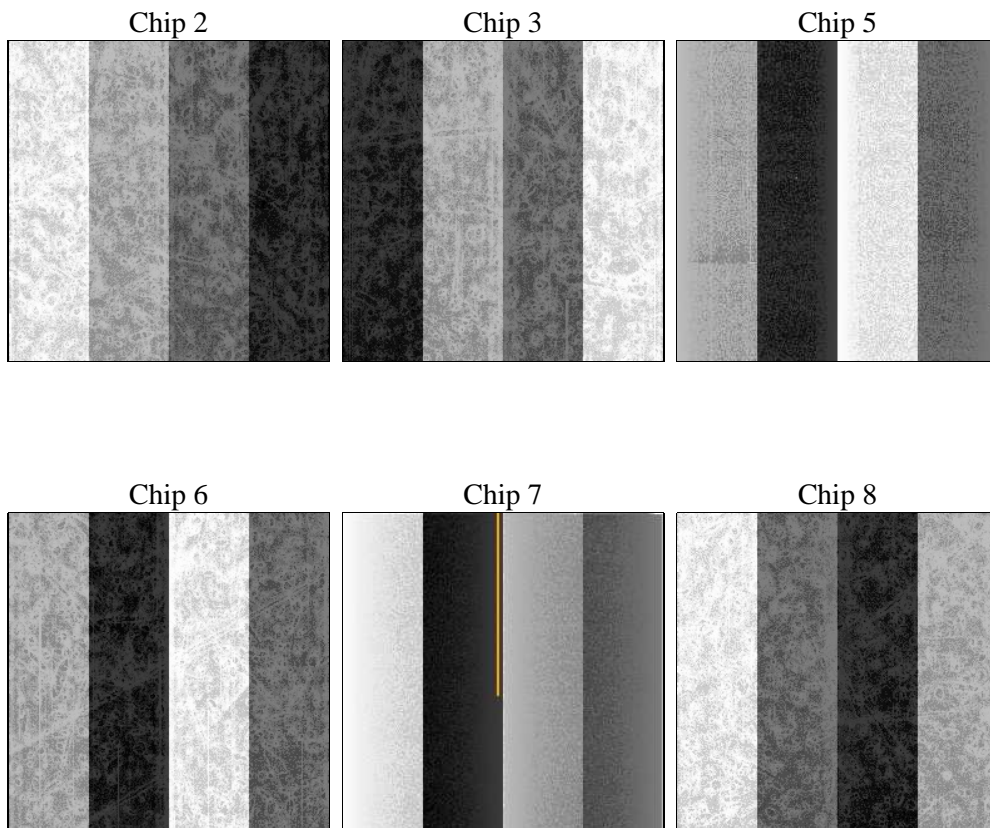
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5145.5999808908	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	5145.5999808908	Sum of GTIs [s]
date	2012-04-30T01:06:06	Date and time of file creation	ontime3	5145.5999808908	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5145.5999808908	Sum of GTIs [s]
			ontime6	5145.5999808908	Sum of GTIs [s]
			ontime7	5145.5999808908	Sum of GTIs [s]
			ontime8	5145.5999808908	Sum of GTIs [s]
			l1events	394116	Number of level 1 events

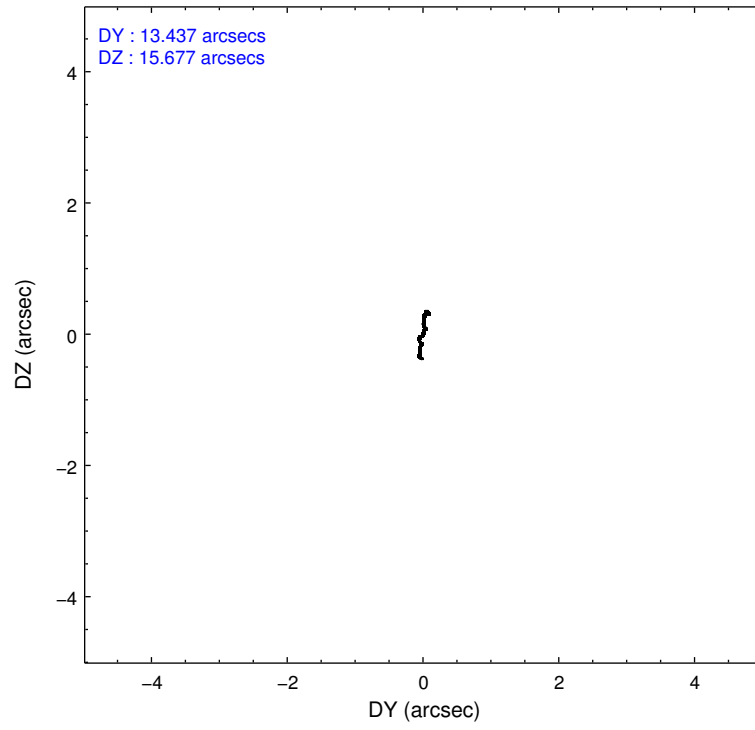
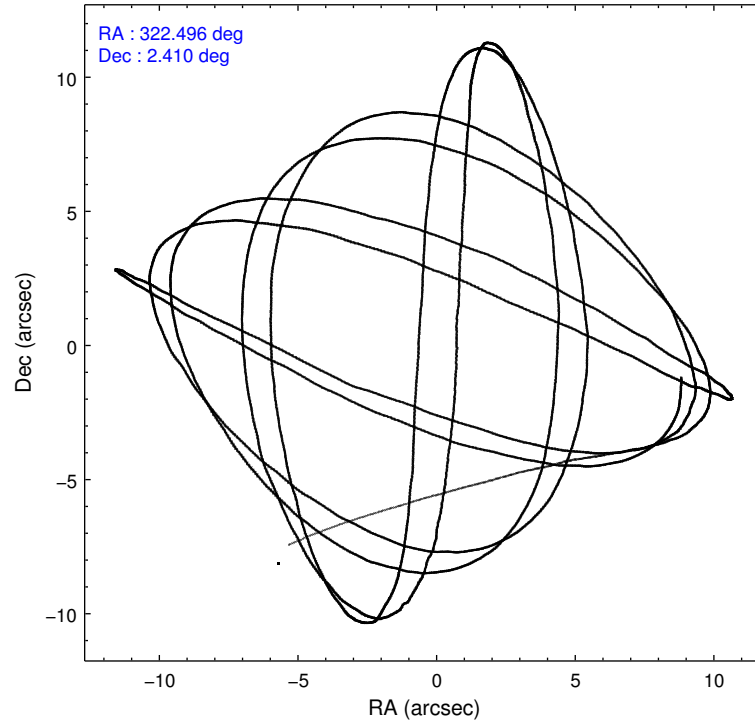
2.1.4 Events

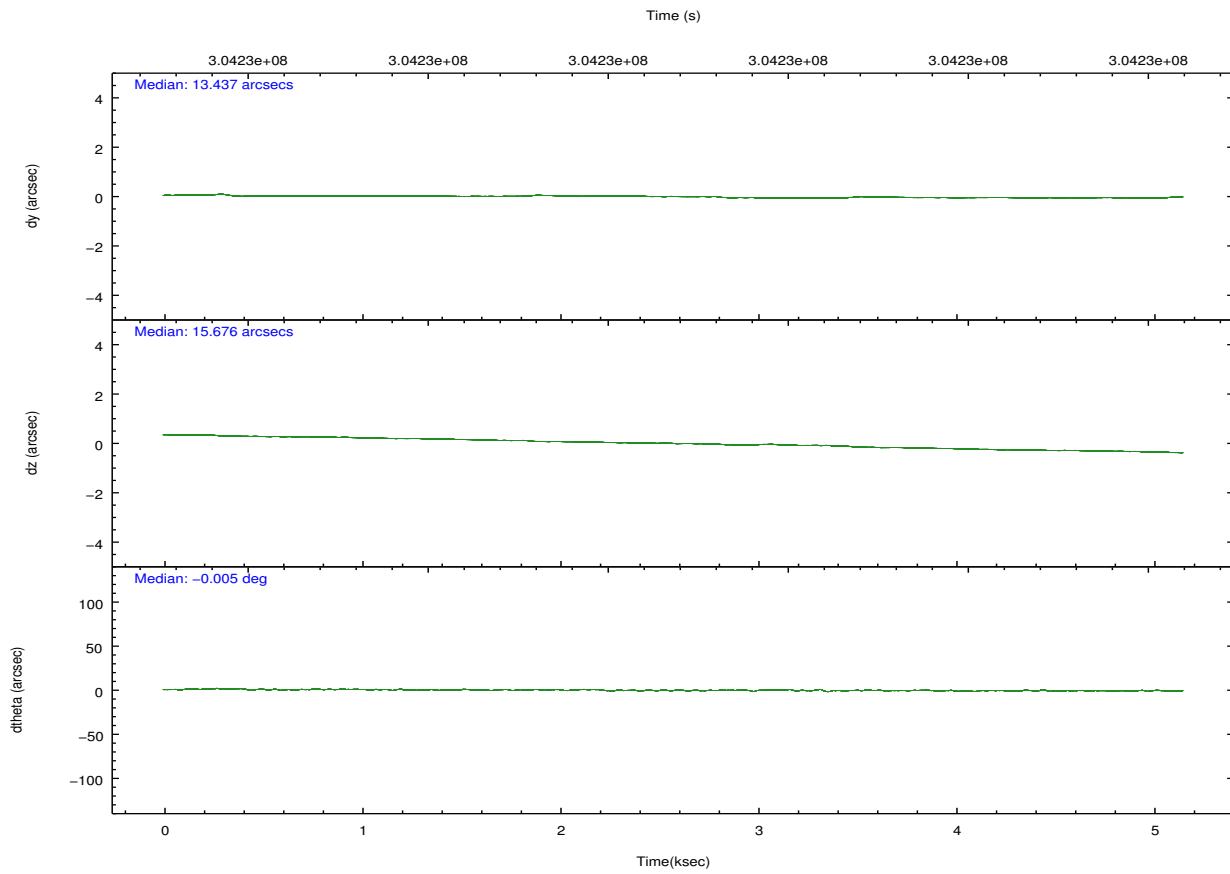
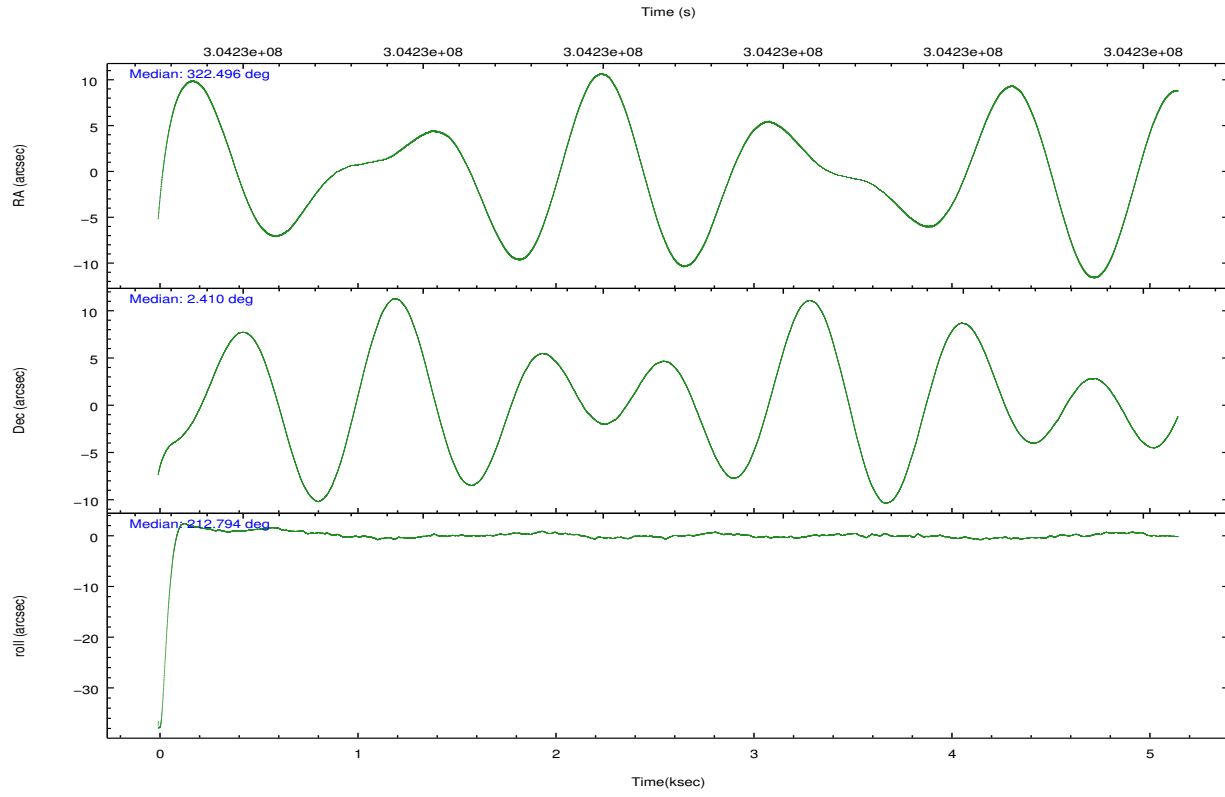
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	56327	51313	86622	54618	74874	70362	grade 0 events	2910	2832	5808	2513	2756	4785
rejected events	50304	45377	48626	48620	45942	55852		5%	5%	6%	4%	3%	6%
rejected %	89%	88%	56%	89%	61%	79%	grade 1 events	27	33	184	32	87	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	1408	1271	12101	1447	6590	3694
								2%	2%	13%	2%	8%	5%
							grade 3 events	557	606	1447	609	2669	1553
								0%	1%	1%	1%	3%	2%
							grade 4 events	602	628	1310	612	2773	1406
								1%	1%	1%	1%	3%	1%
							grade 5 events	2202	2429	6143	2689	7026	3446
								3%	4%	7%	4%	9%	4%
							grade 6 events	1043	1101	20442	1327	16597	4196
								1%	2%	23%	2%	22%	5%
							grade 7 events	47578	42413	39187	45389	36376	51225
								84%	82%	45%	83%	48%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	322.508414	322.4963089301352	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.434283	2.40972196560473	Alternating exposures requested	N	N
[deg] Pointing Roll	212.641363	212.7984066630415	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	304226926.184000	304225653.00746			
Observation start date	2007-08-23T03:27:41	2007-08-23T03:07:33			
[s] Observation end time (MET)	304231926.184000	304232553.30779			
Observation end date	2007-08-23T04:51:01	2007-08-23T05:02:33			
Read mode	TIMED	TIMED			

2.3 Aspect



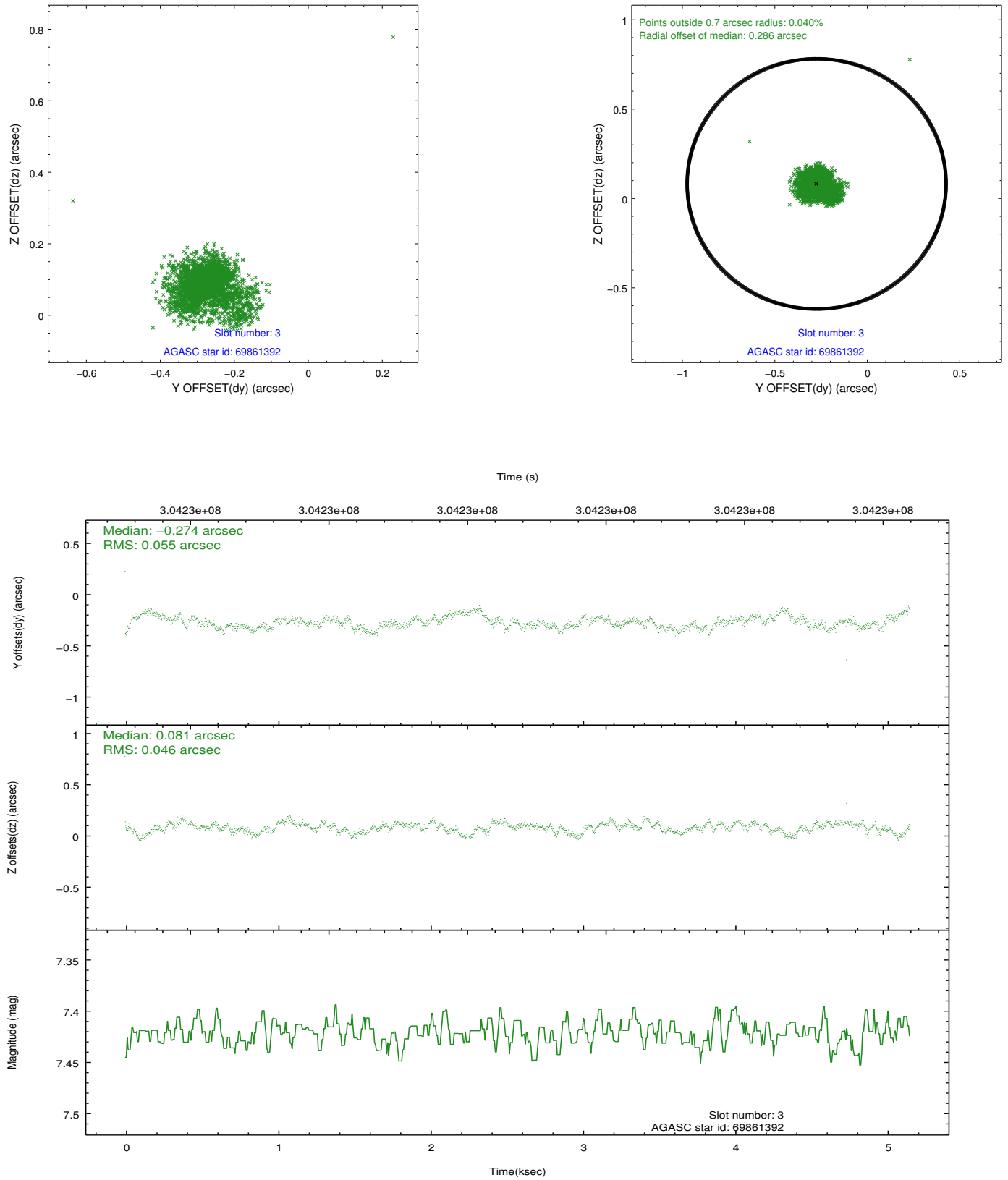


Slot Statistics

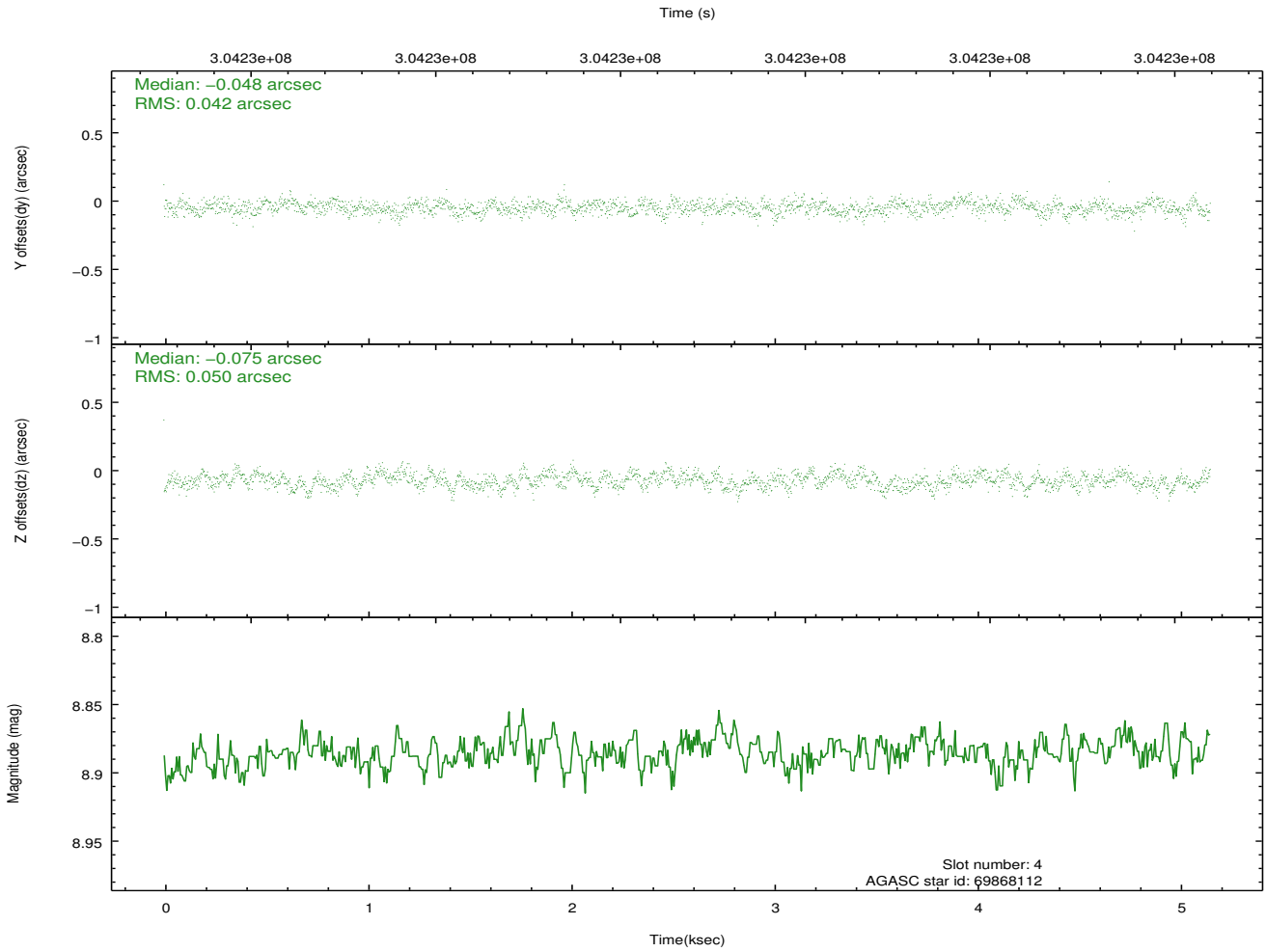
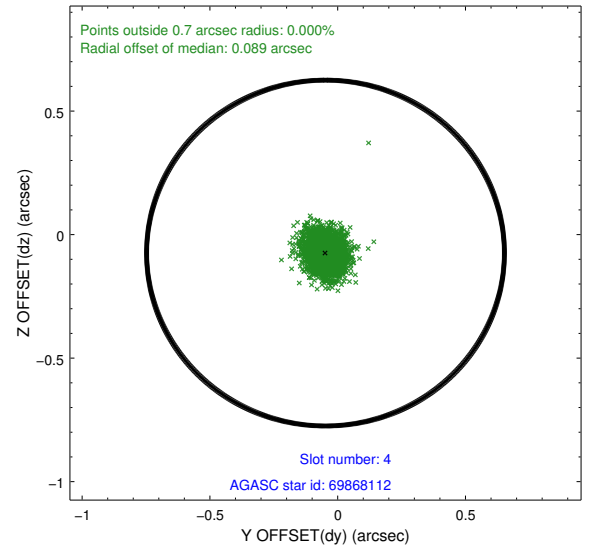
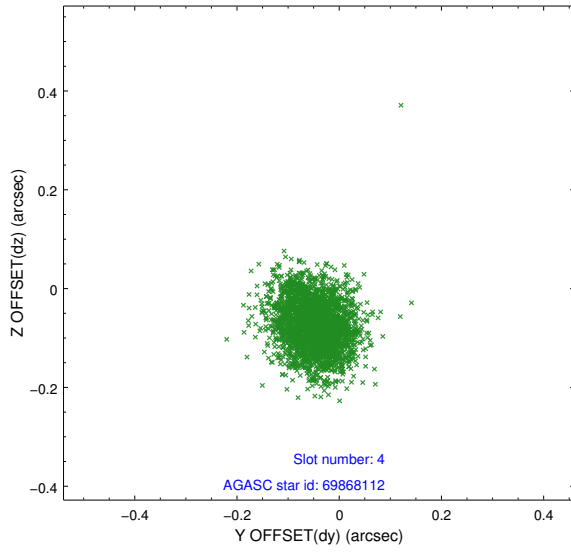
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1257	-0.058	-0.031	0.007	0.012	0.000000	0.000000	-766.39	-1737.06
1	FID	ACIS-S-4	7.19	1257	0.197	0.036	0.006	0.010	0.000000	0.000000	2146.58	170.31
2	FID	ACIS-S-5	7.22	1257	-0.170	0.003	0.008	0.013	0.000000	0.000000	-1817.86	165.23
3	GUIDE	69861392	7.42	2514	-0.274	0.081	0.073	0.125	321.891363	2.313003	2104.48	-829.95
4	GUIDE	69868112	8.89	2514	-0.048	-0.075	0.069	0.111	322.393391	1.901090	1384.97	1392.62
5	GUIDE	71568976	8.52	2513	0.077	0.090	0.082	0.131	322.845399	2.781994	-1694.63	-400.16
6	GUIDE	71569088	8.33	2513	0.152	-0.026	0.066	0.106	322.576790	2.793271	-904.44	-955.97
7	GUIDE	69863960	9.08	2512	0.095	-0.069	0.090	0.151	321.779095	2.596900	1892.81	-1908.84

2.4 Star Slots

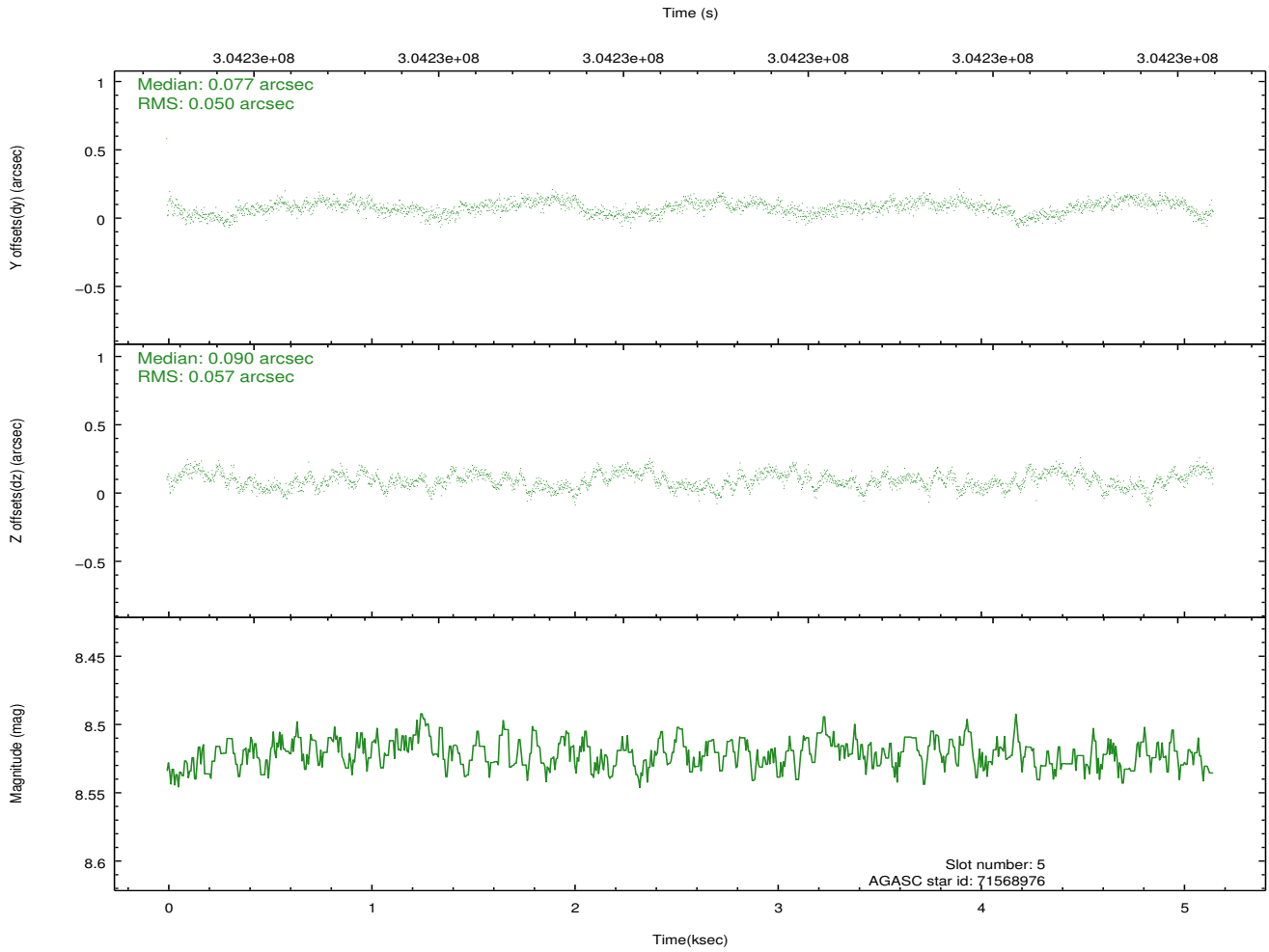
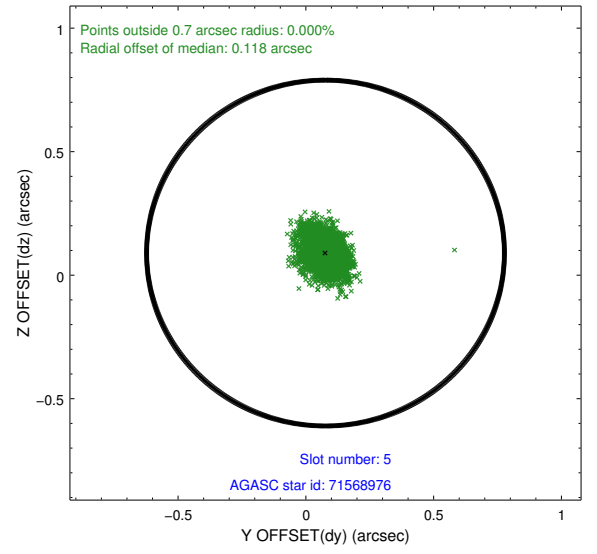
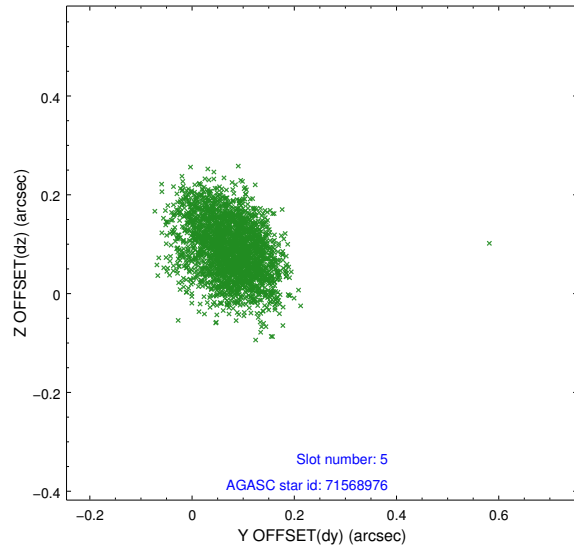
2.4.1 Slot 3



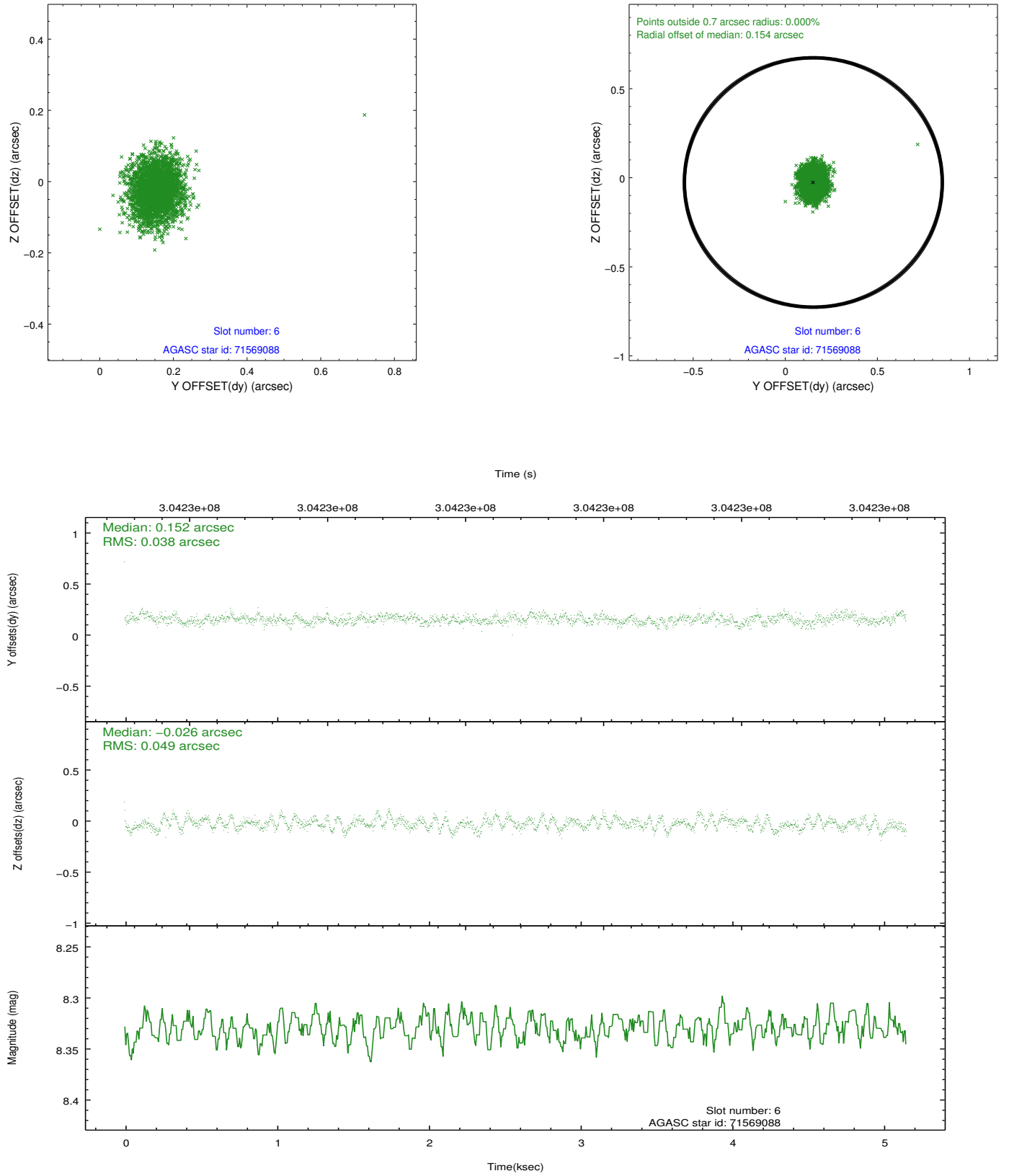
2.4.2 Slot 4



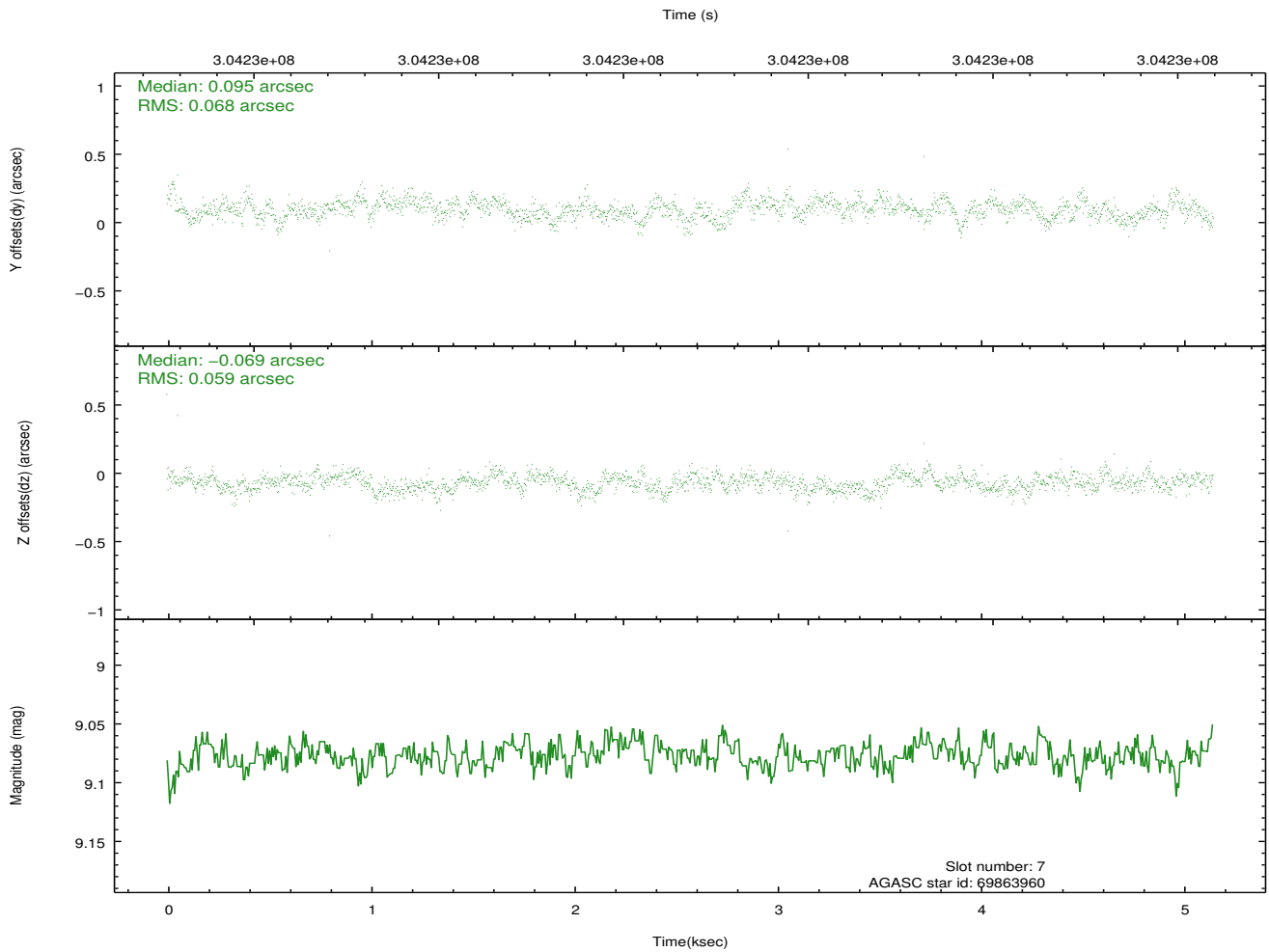
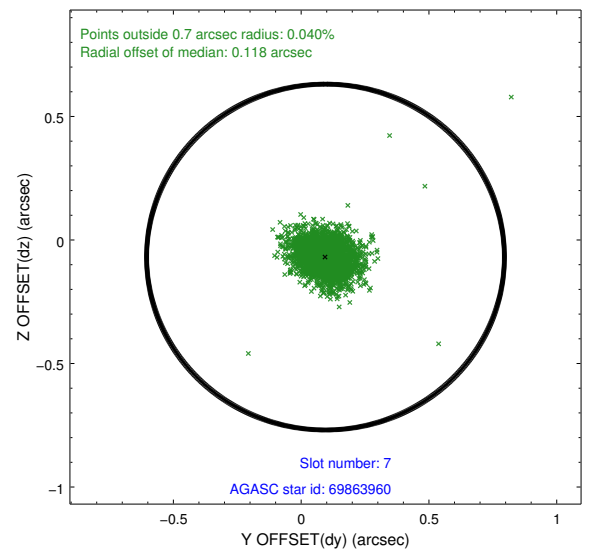
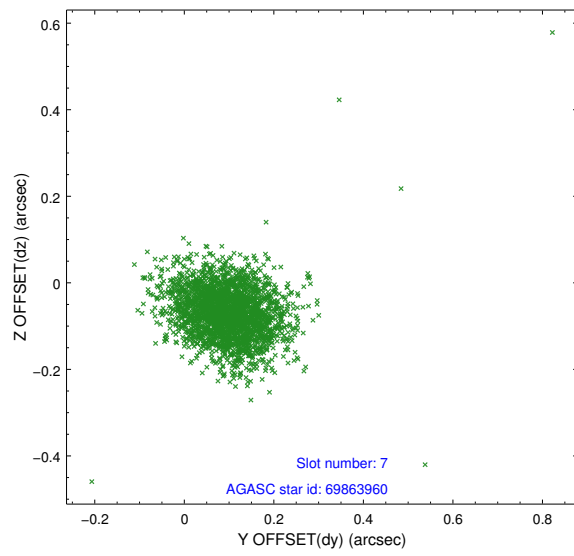
2.4.3 Slot 5



2.4.4 Slot 6

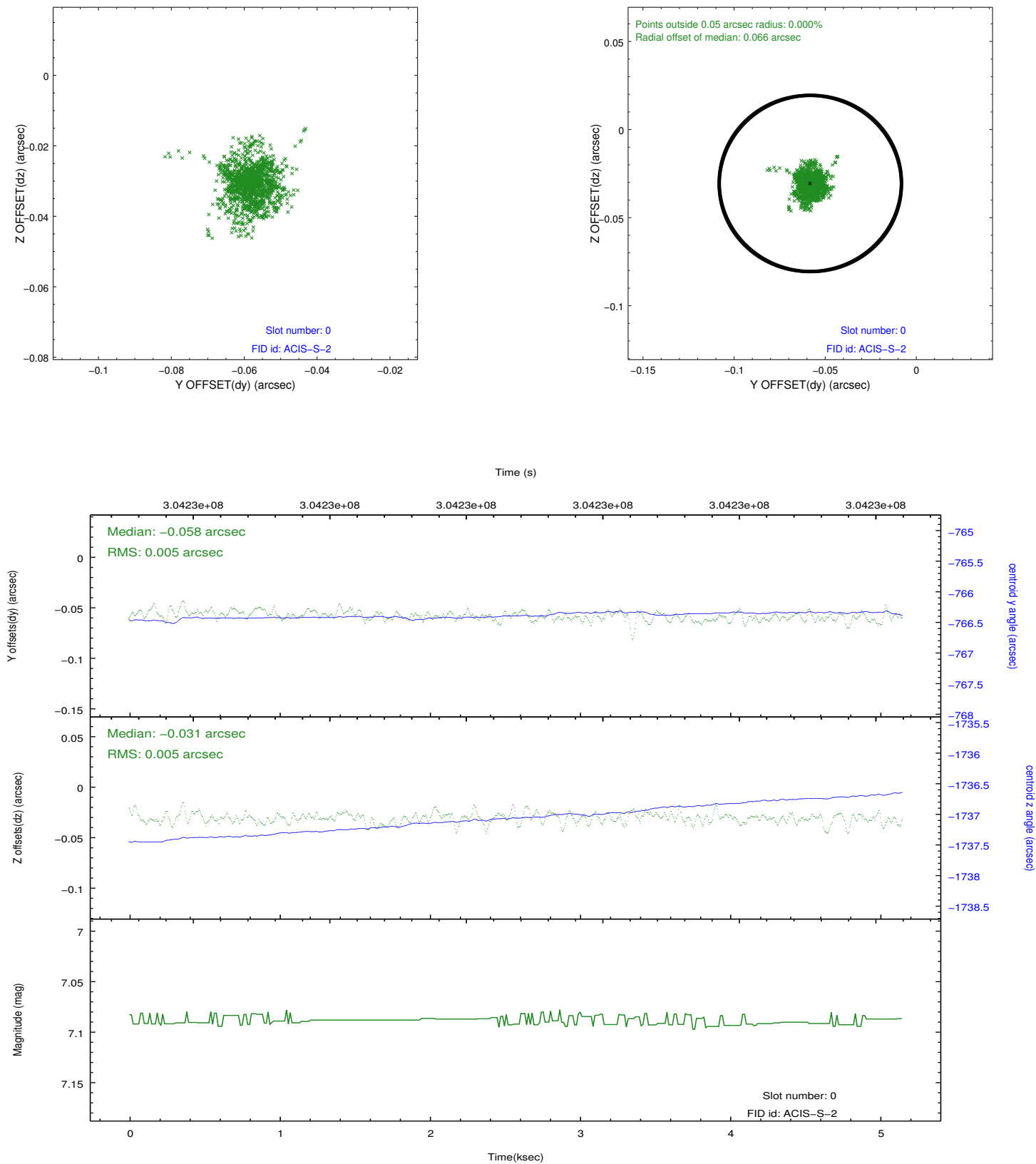


2.4.5 Slot 7

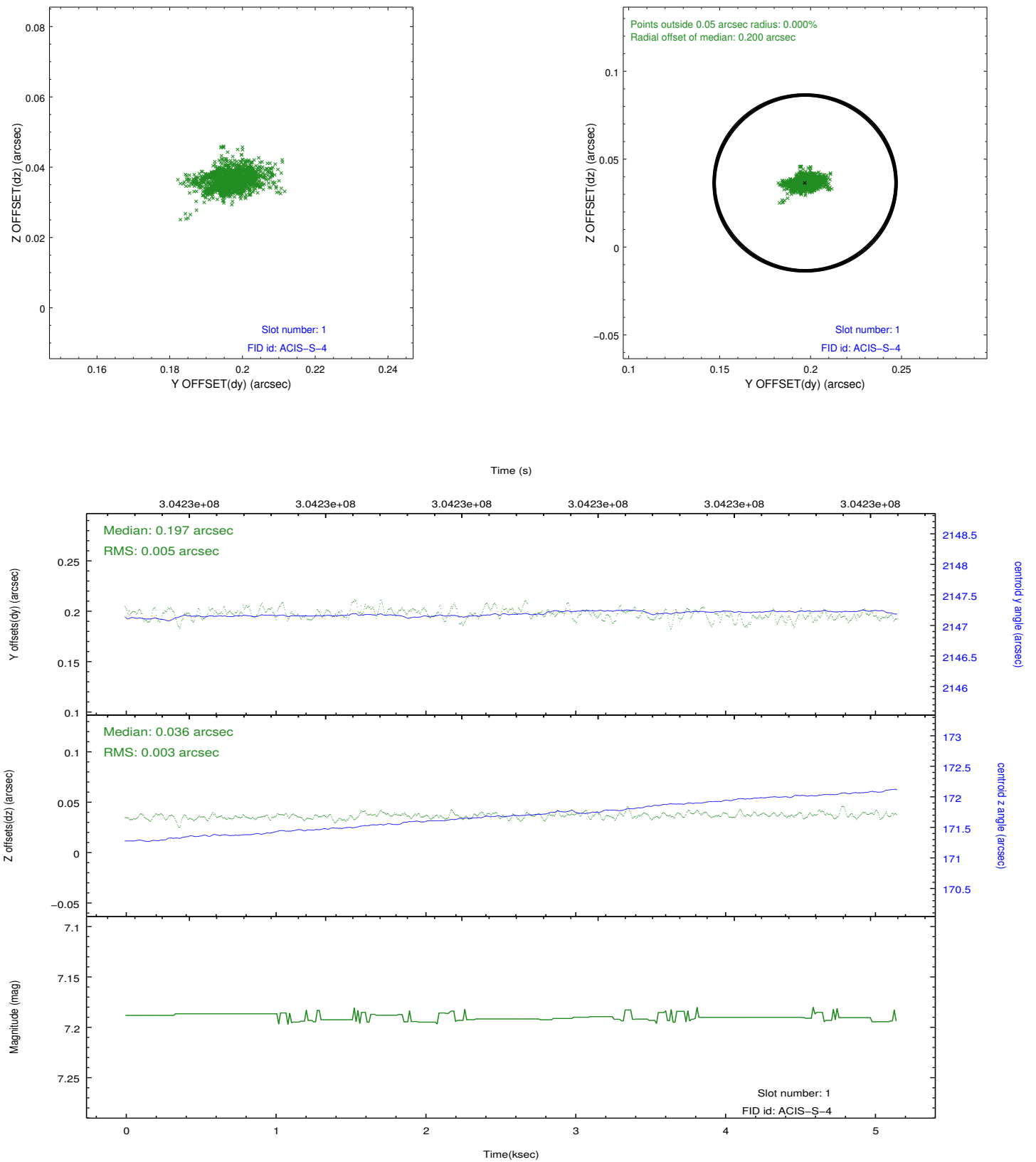


2.5 FID Slots

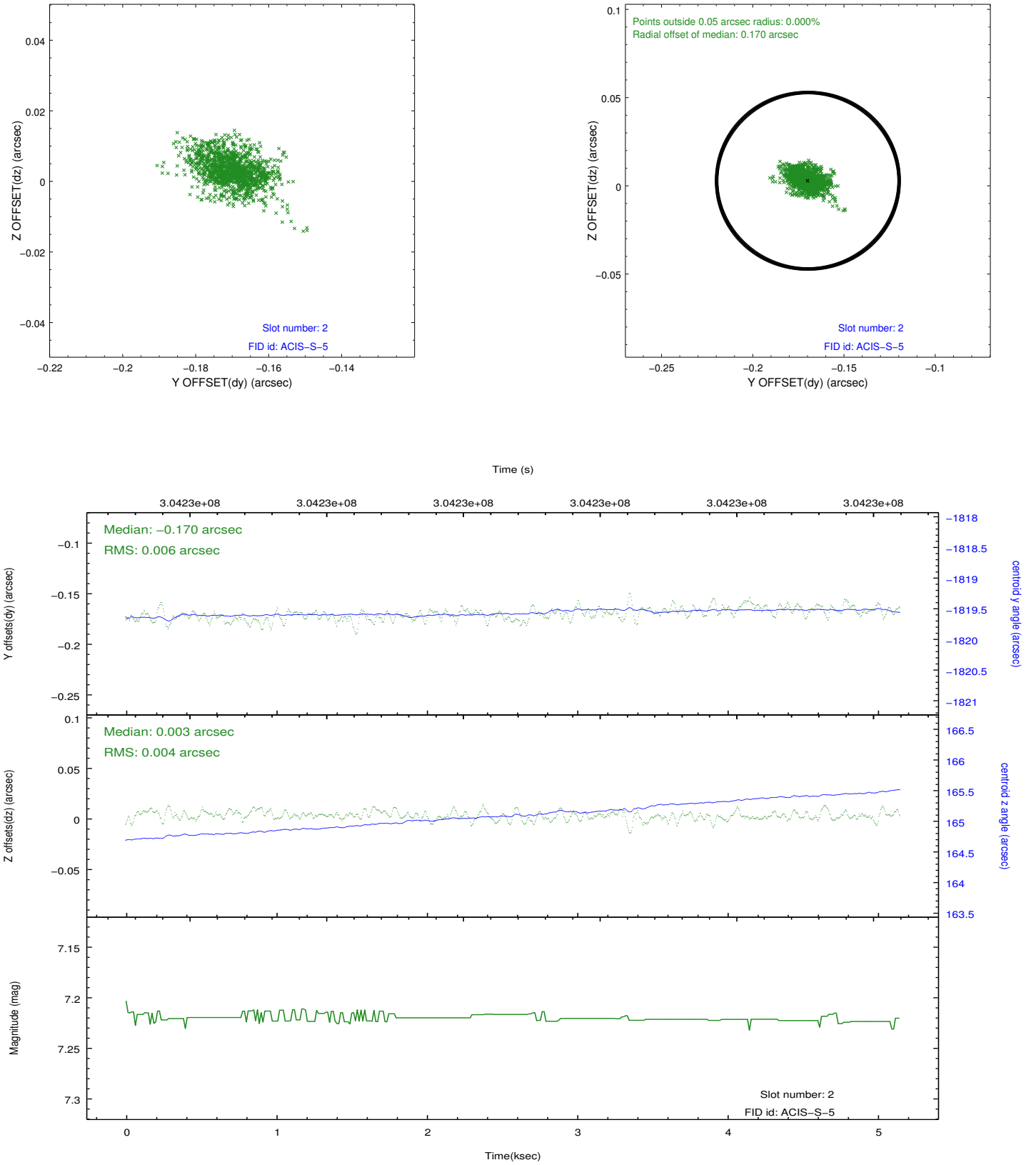
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14559998

A.2 Comments